PATENT

Attorney Docket No.: HURD-Po1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit:

3727

Examiner:

Tri M. Mai

Serial Number:

10/652,141

Filing Date:

08/29/2003

First Inventor:

Jonathan H. Hurd

Title:

A Cargo System Attachable to a

Roof Rack

DECLARATION
of the INVENTOR
under 37 C.F.R. § 1.131

CERTIFICATE OF MAILING

I, Jeffrey Schox, hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

on the following date:

Date: 23 AUG 2006

By:

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Jonathan H. Hurd hereby declares:

- 1. That I am the inventor of the claimed subject matter of the above-identified application.
- 2. That I conceived the subject matter of Claims 17-23 and 33 in the United States before 28 January 2003 (the priority date of U.S. Pat. No. 6,918,512), as evidenced by the 15 April 2002 receipt date of Disclosure Document 509917 (attached as Appendix A)

Serial No.: 10/652,141 Attorney Docket No.: HURD-P01

3. That I conceived the subject matter of Claims 10-16 and 24-32 in the United States before 28 January 2003 (the priority date of U.S. Pat. No. 6,918,512), as evidenced by the 06 November 2002 receipt date of Disclosure Document 521393 (attached as Appendix B)

- 4. That I continuously worked with reasonable diligence on the claimed subject matter from the conception date of the invention (before 28 January 2003) to the filing date of an application for the invention (on 29 August 2003), as evidenced by the 28 March 2003 date on the Quotation for a foot bracket (attached as Appendix C) and by the 24 June 2003 date on the Manufacturing Drawing for the foot bracket (attached as Appendix D).
- 5. That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the above-identified application, and any patent issuing thereon or any patent to which this declaration is directed.

Date: 8/22/06

By:

Jonathan H. Hurd

Serial No.: 10/652,141 Attorney Docket No.: HURD-P01

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APPENDIX A

April 1st, 2002

Commissioner of Patents and Trademarks Washington, District of Columbia 20231

Request for Participation in Disclosure Document Program:

Disclosure of Jonathan Hurd

Entitled: Portable Automobile Roof Rack Cargo Box.

Sir/ Madam:

Attached is a disclosure of the above entitled invention (consisting of 1 Sheets of written description and 9 separate drawings or photos), a check for \$10.00, a stamped, addressed return envelope, and a duplicate copy of this letter.

RETAINED FOR 2 YEARS

THIS IS NOT A PATENT APPLICATION

PTO-1652 (8/99)

It is respectfully requested that this disclosure be accepted and retained for two years (or longer if it is later referred to in a paper filed in a patent application) under the Disclosure Document Program and that the enclosed duplicate of this letter be date stamped, numbered, and returned in the envelope also enclosed.

The undersigned understands that (1) this disclosure document is neither a patent application nor a substitute for one, (2) it's receipt will not become the effective filing date of a later filed patent application, (3) it will be retained for two years and then destroyed unless it is referred to in a patent application, (4) this two year retention period is not a "grace period" during which a patent application can be filed without loss of benefits, (5) in addition to this document, proof of diligence in building and testing the invention, and/or filing a patent application on the invention, may be vital in case of an interference, and in other situations, and (6) if such building and testing is done, signed and dated records of such should additionally be made and these should be witnessed and dated by disinterested individuals (not the PTO).

Very Respectfully,	
Signature of Sole/First Inventor	Signature of Joint/Second Inventor
Print Name of Sole/First Inventor	Print Name of Joint/Second Inventor
Toka a 1977 - addining Norm	

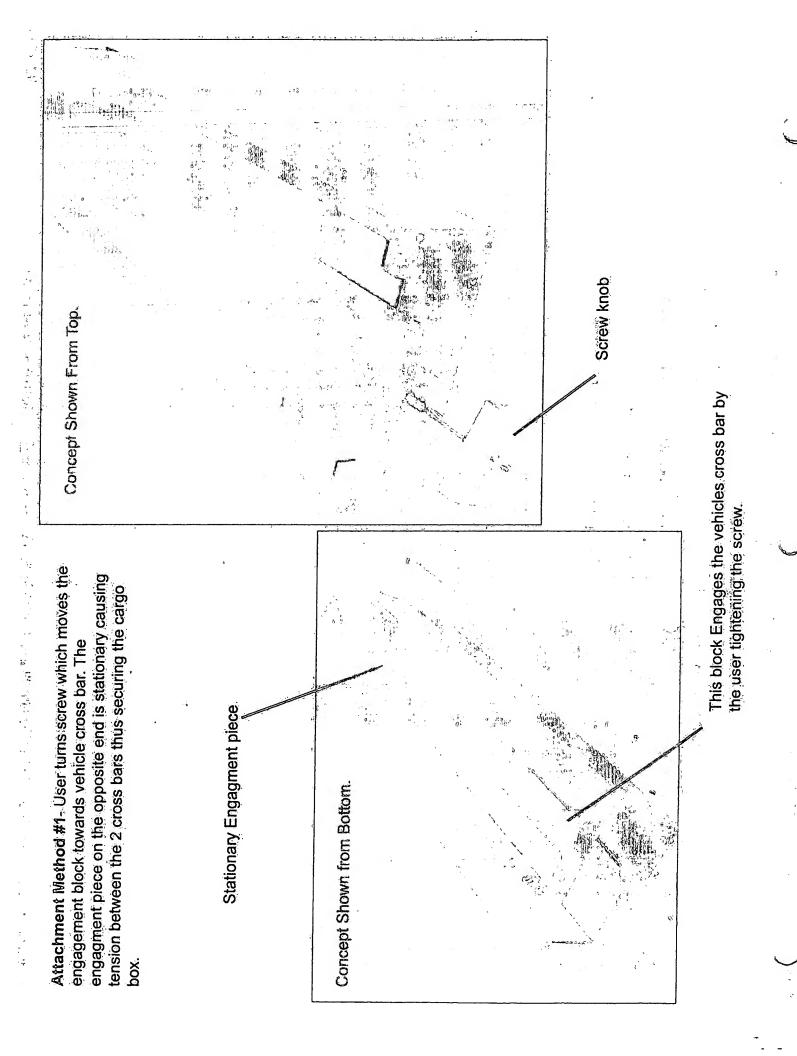
1114 Woodlawn Ave. Ann Arbor, Mi. 48104

Enclosure:

As Stated Above

Invention Disclosure

		Page	Of
		. 3	- 第3 - 有3
Inventor(s):	Jonathan Hurd		
Address(es):	1114 Woodlawn Ave, Ann Arbor, Ml. 48104		
Telephone:	734-995-9052	* s	
Title of Inventio	n: Portable Automobile Roof Rack Cargo Box.	· · · · · · · · · · · · · · · · · · ·	
needs: The cur the car, and un 100% of the tim gear for my par store my gear in Advantages of easy access wh in the vertical p cargo boxes typ roof. The built in the vehicle. The attach and remoused.	on: I developed this idea because no automobile roof Carent Cargo Style boxes that fit onto automobile roofs are able to store in an upright position. This typically results the and actually being used less than 2-3% of that time. A dicular activities on different shelves and hooks in the home while not in use but then easily place on top of my vehically not on the vehicle, while being stored in the vertical site on top of the vehicle, while being stored in the vertical site on top of the vehicle, while being stored in the vertical site on top of the vehicle, while being stored in the vertical site on top of the vehicle, while being stored in the vertical site on top of the vehicle, while being stored in the vertical site on the smaller size makes it practical to remove an involve allow for easy transportation while the Cargo B method of attaching the Cargo box to the vehicle and sove, allowing the user to remove it from the vehicle and sove, allowing the user to remove it from the vehicle and sove.	typically large, dif in a large box that idded to this I grev use/garage. I wan icle: zontal and vertical al position, or whe d carry while full of cargo box can be ox is not attached torage bar make in place it in storage	ficult to take on and of is on top of your car virustrated storing the ted something I could planes. This allows for resting on the ground gear. The current removed from the car to a storage bar or or trast and easy to while it's not being
can be made fro	om many different types of plastics, fiberglass, Kevlar or housing allows for the Cargo box to be placed on the ve	other such materi	al. The shape of the
placing their gea because of the	By using this product the user has an easy method for car on top of the car without having to remove the gear from the cargo Box while not in use.	om the storage co	ntainer. Furthermore
Inventor(s);	.,	Date:	
The above conf	dential information is Witnessed and Understood:		
		Date:	

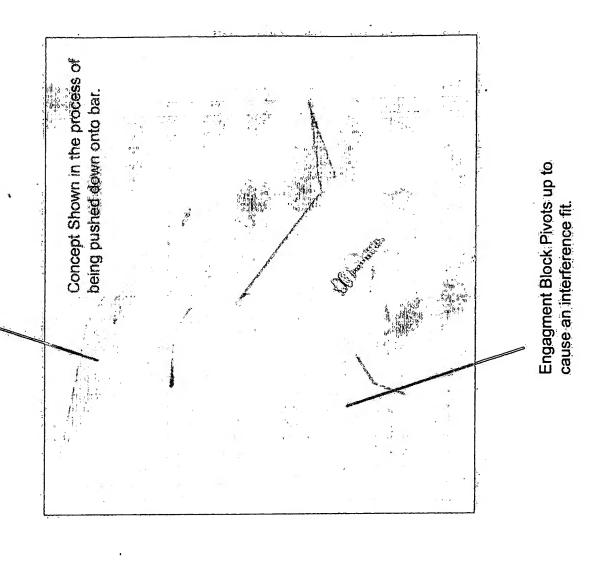


Connespit Shrowan From Brition Engagment Block and Pivot Block shown in the Open Position Attachment Method #2- User Pivots the block which moves engagment piece on the opposite end is stationary causing tension between the 2 cross bars thus securing the cargo the engagement block towards vehicle cross bar. The vehicles cross bar by the Pivoting the block. Engagment Block - This Block Engages the **Pivoting Block**

Attachment Method #3- User Simply aligns the pivot block onto the vehicles cross bar and presses the cargo box down. This forces the engagment block to pivot up and thus causes an interference fit. The engagment piece on the opposite end is stationary causing tension between the 2 cross bars thus securing the cargo box.

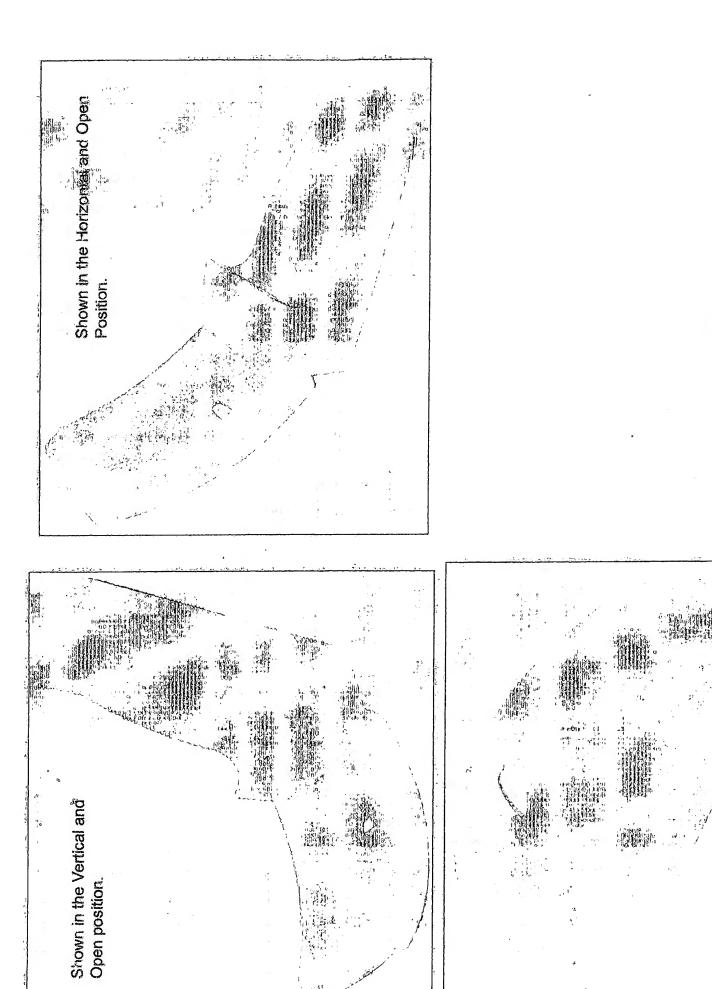
This plan would be attached to the bottom of

the bottom housing

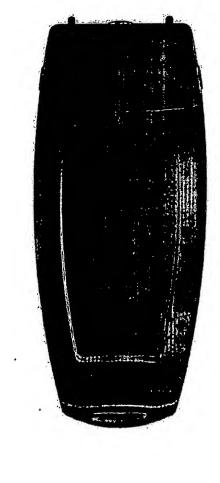


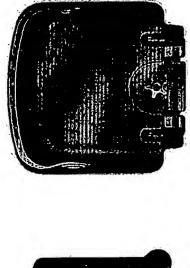
Locked position

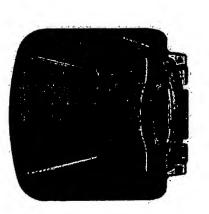
Pivoting Block



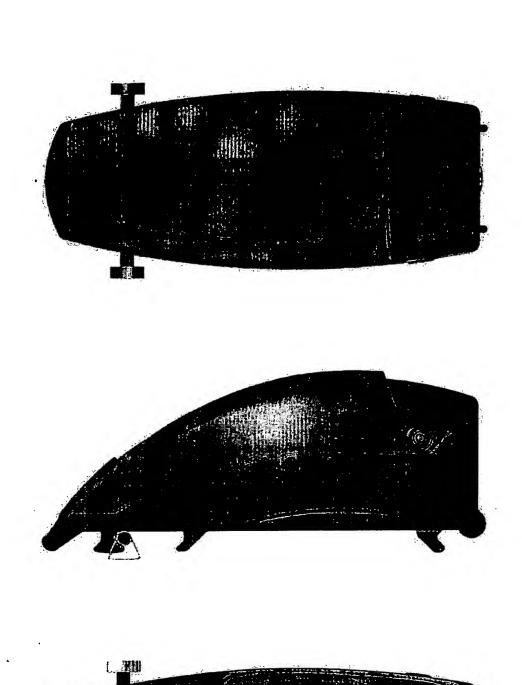
Shown In the Closed Vertical Position







PROPRIETARY & CONFIDENTIAL

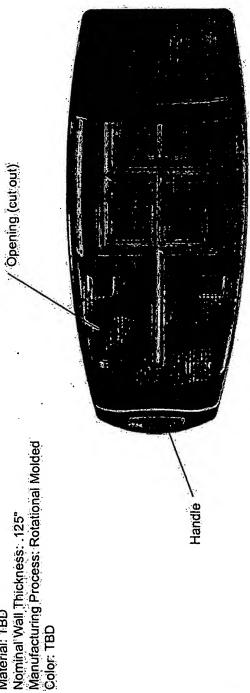


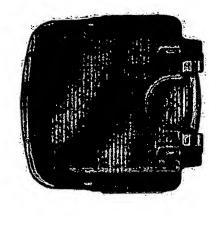
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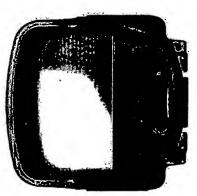
iSquare

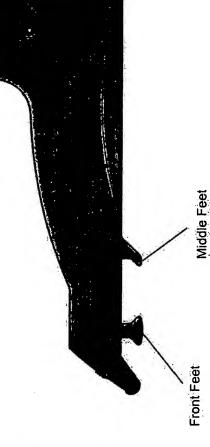
PROPRIETARY & CONFIDENTIAL

Völume: 187.7 cu in. Material: TBD





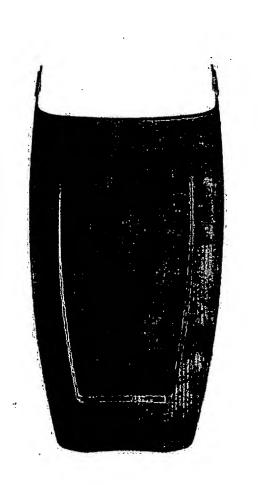




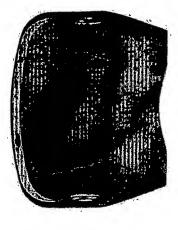
Drawn & Designed By: Jonathan Hurd

PROPRIETARY & CONFIDENTIAL

Volume: 89.7 Cubic Inches Material: ABS (with UV inhibitors) Nominal Wall Thickness: 125" Manufacturing Process: Vacuum Formed Color: TBD

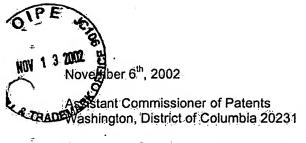






Serial No.: 10/652,141 Attorney Docket No.: HURD-P01

APPENDIX B



DISCLOSURE DOCUMENTINO.

521393

RETAINED FOR 2 YEARS

THIS IS NOT A PATENT APPLICATION
PTO 1652 (899)

Request for Participation in Disclosure Document Program:

Disclosure of Jonathan Hurd

Entitled: Mounting Substrate Device for Vehicle Roof Racks

Sir/ Madam:

Attached is a disclosure of the above entitled invention (consisting of 1 Sheet of written description and 6 separate sheets of drawings or photos), a check for \$10.00, a stamped, addressed return envelope; and a duplicate copy of this letter.

It is respectfully requested that this disclosure be accepted and retained for two years (or longer if it is later referred to in a paper filed in a patent application) under the Disclosure Document Program and that the enclosed duplicate of this letter be date stamped, numbered, and returned in the envelope also enclosed.

The undersigned understands that (1) this disclosure document is neither a patent application nor a substitute for one, (2) it's receipt will not become the effective filing date of a later filed patent application, (3) it will be retained for two years and then destroyed unless it is referred to in a patent application, (4) this two year retention period is not a "grace period" during which a patent application can be filed without loss of benefits, (5) in addition to this document, proof of diligence in building and testing the invention, and/or filing a patent application on the invention, may be vital in case of an interference; and in other situations, and (6) if such building and testing is done, signed and dated records of such should additionally be made and these should be witnessed and dated by disinterested individuals (not the PTO).

Very Respectfully,		
Signature of Sole/First Inventor	Signature of Joint/Second Inventor	
JONATHAN HURD		
Print Name of Sole/First Inventor	Print Name of Joint/Second Inventor	
1114 Woodlawn Ave.		

Enclosure:

As Stated Above

Ann Arbor, MI. 48104-

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office:
ASSISTANT SECRETARY OF COMMERCE AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

DISCLOSURE DOCUMENT RECEIPT NOTICE

Receipt of your Disclosure Document and Government fee of \$10 is acknowledged. The date of receipt and the Disclosure Document identification number are indicated on this notice. This date and number should be referred to in all communication related to this Disclosure Document.

NOTICE TO INVENTORS

It should be clearly understood that a Disclosure Document is not a patent application, nor will its receipt date in any way become the effective filing date of a later filed patent application. A Disclosure Document may be relied upon only as evidence of conception of an invention and a patent application should be diligently filed if patent protection is desired.

Your Disclosure Document will be retained for two years after the date it was received by the Patent and Trademark Office (PTO) and will be destroyed thereafter unless it is referred to in a related patent application filed within the two-year period. The Disclosure Document may be referred to by way of a letter of transmittal in a new patent application or by a separate letter filed in a pending application.

The two-year retention period should not be considered to be a "grace period" during which the inventor can wait to file his or her patent application without possible loss of benefits. It must be recognized that in establishing priority invention an affidavit or testimony referring to a Disclosure Document must usually also establish diligence in completing the invention or in filing the patent application since the filing of the Disclosure Document.

If you are not familiar with what is considered to be "diligence in completing the invention" or "reduction to practice" under the patent law or if you have other questions about patent matters, you are advised to consult with an attorney or agent registered to practice before the PTO. The publication, Attorneys and Agents Registered to Practice Before the United States Patent and Trademark Office, is available from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Patent attorneys and agents are also listed in the telephone directory of most major cities. Also, many large cities have associations of patent attorneys which may be consulted.

You are also reminded that any public use or sale in the United States or publication of your invention anywhere in the world more than one year prior to the filing of a patent application on that invention will prohibit the granting of a patent on it.

Disclosures of inventions which have been understood and witnessed by persons and/or notarized are other examples of evidence which may also be used to establish priority.

There is a nationwide network of Patent and Trademark Depository Libraries (PTDLs), which have collections of patents and patent-related reference materials available to the public, including automated access to PTO data bases. Publications such as General Information Concerning Patents are available at the PTDLs. To find out the location of the PTDL closest to you, please consult the complete listing of all PTDLs that appears in every issue of the Official Gazette or call the PTO General Information Services Division (GISD) at (800) PTO-9199 or (703) 308-HELP/4357. To ensure assistance from a PTDL staff member, you may wish to contact a PTDL prior to visiting to learn about its collections, services, and hours.

Inventor(s):

Jonathan Hurd

Address(es):

1114 Woodlawn Ave, Ann Arbor, Ml. 48104

Telephone:

734-995-9052

Title of Invention: Mounting Substrate Device for Vehicle Roof Racks

Idea Conception: This idea came to me during the course of working on a Portable Automobile Roof Rack Cargo. Box, which I have previously disclosed in document 509917. One of my primary focuses of the Roof Rack Cargo. Box was to make the Cargo Carrier simple to use from the storage to use and back to storage. The Scissor Lock is a simple easy means of doing this. Most of the current Cargo Boxes are very large, cumbersome to attach and remove and need to be stored in the horizontal position. While Cargo Bags (made of fabrics) often require the user to strap down 4-8 individual straps. The scissor design I am disclosing is a versatile design that allows for very simple operation. Because of it's ease of use it allows the consumer to utilize their Vehicle Cargo Racks for a much broader range of uses.

Advantages of the Invention: There are several advantages to the Scissor Lock design. One advantage is the ease of attaching the mounting rectangle to a vehicles roof rack bars. After a simple one time initial adjustment of the feet, all the user has to do is simply place the Scissor Mount onto the vehicle roof, lower it into position, pivot the locking bar and the unit is attached. Simply reverse this procedure for removal.

Another advantage of this design is the ability to mount a wide variety of items onto the Scissor Mount. One could easily envision mounting a wide range of plastic containers and fabric bags for a wide range of uses. Depending on the size and shape of these containers and bags the user could most likely keep his gear inside while storing and mounting.

Yet another advantage of the design is the ability to store the scissor mount and whatever is attached to it in a vertical position by placing it on a hook mounted to the wall. A further advantage of the Scissor Lock is to angle the Swing Armout and stand the device in the vertical position, thus allowing the user easy access to items mounted to the Scissor Mount.

Yet another advantage is the tubular nature of the design allows for easy adjustment of the mounting feet that are used to engage the vehicle roof rack bars. While these tubes could be round or rectangular a round tube would allow for the feet to pivot allowing for the curvature found on some vehicle roof racks. Furthermore the tubular construction allows for the easy attachment of wheels.

Description & Sketch: The Scissor Lock Mounting Device is comprised of several parts. The two main components are the Scissor mount, which is shown as the larger rectangle, and the Swing Arm, which is shown as a U shaped piece. The Swing Arm pivots off of the Scissor Mount. There are two adjustable feet mounted to the Scissor Mount and the Swing Arm (for a total of 4 feet) that allow the user to set the tension of the fit. There is also a pivot plate that is mounted to the Swing Arm that pivots on top of the front bar of the Scissor Mount thus securing the entire device to the vehicle roof rack (this could easily be adapted for locking with a pad lock etc.). The design also allows for wheels to be attached to the Scissor Mount.

Ramifications: By using this product the user has an easy method for handling their gear or other articles from storage to use and back to storage. Furthermore because of the easy method for attaching and removing the Scissor Mount the user will be much more apt to utilize the roof rack for all types of items.

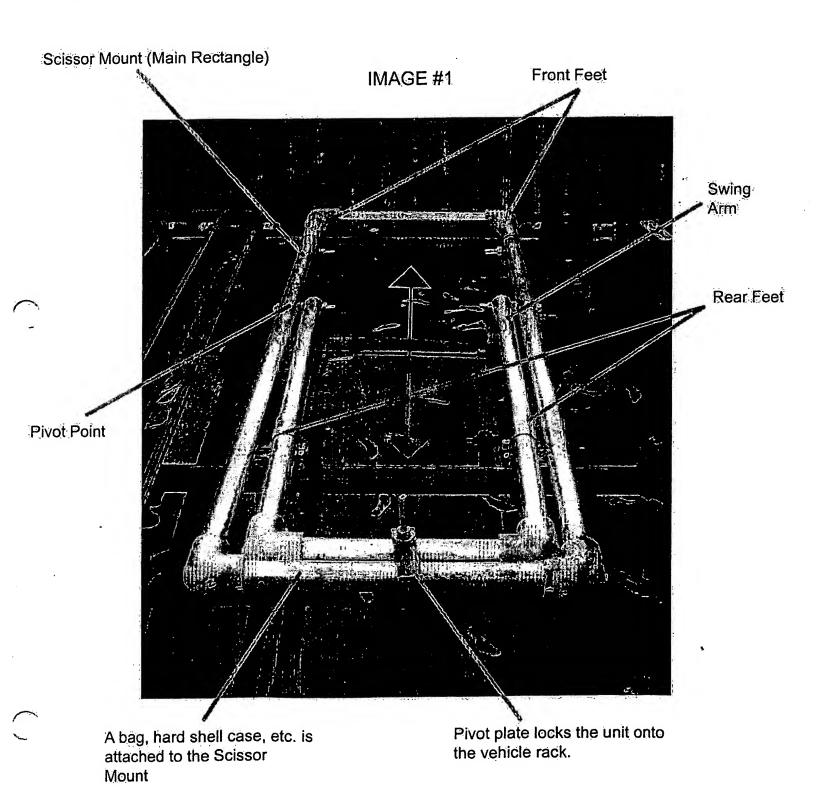
Inventor(s):	Date:
The above confidential information is Witnessed and Understood:	
	Date:

DISCLOSURE DOGUMENT 11.04.02

Page 2 of 6

ne Scissor Lock Mounting Device for Vehicle Roof Racks operates by being able to place pressure in the oposite directions against the vehicles roof rack bars as shown by the arrow in the middle of image #1. In essence, if the roof rack bars are 24" apart the user will set the rear and front feet of the Scissor Lock 24.125" apart, thus creating a interference fit and securing the scissor lock to the bars.

By placing the pivot point in the middle of the Scissor Mount I have created a large lever that makes it very easy for the user to create the neccessary amount of pressure to secure the feet onto the bars.



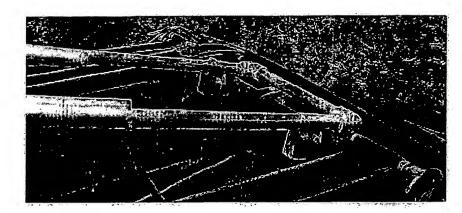
DISCLOSURE DOCUMENT 11.04.02

Page 3 of 6

The operation of the Scissor Lock is a simple procedure.

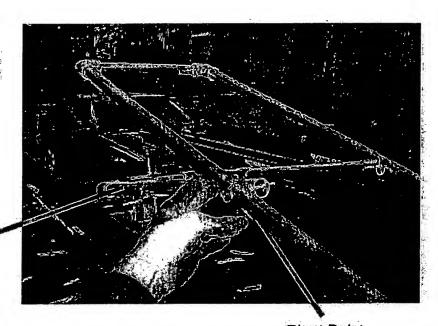
- (1) Place the front feet (attached to the Scissor Mount) under the front bar of the vehicle roof rack.
- (2) Release the pivot plate and allow the Swing Arm feet to drop down on the inside of the rear bar.
- (3) Lower the scissor mount down to the bar which will secure the device to the rack and then simply rotate the pivot plate back, thus locking the Scissor lock to the Vehicle roof rack

STEP #1 - Place front Feet under front vehicle bar.



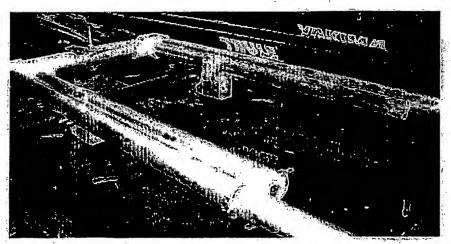
STEP #2 - Release Pivot plate and allow rear feet to engage the inside of the rear vehicle bar.

When the Swing Arm is disengaged from the Scissor Mount you are able to hook the feet under the rear bar



Pivot Point

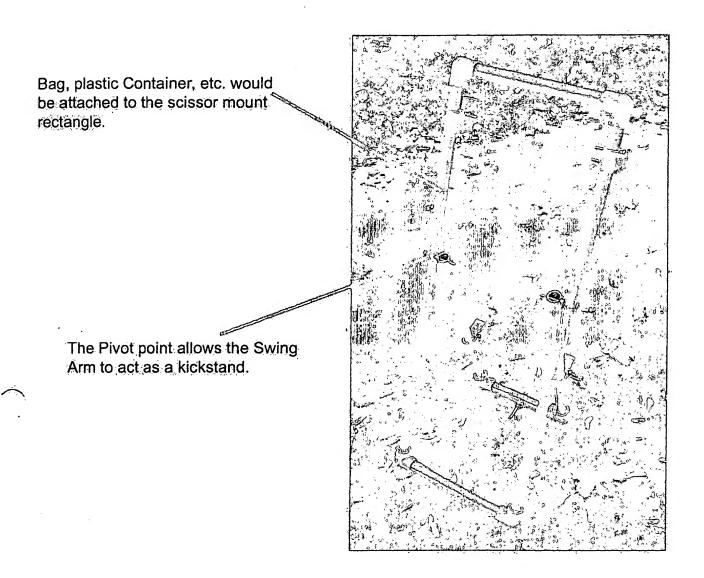
STEP #3 - Lower Scissor Mount down and engage pivot plate

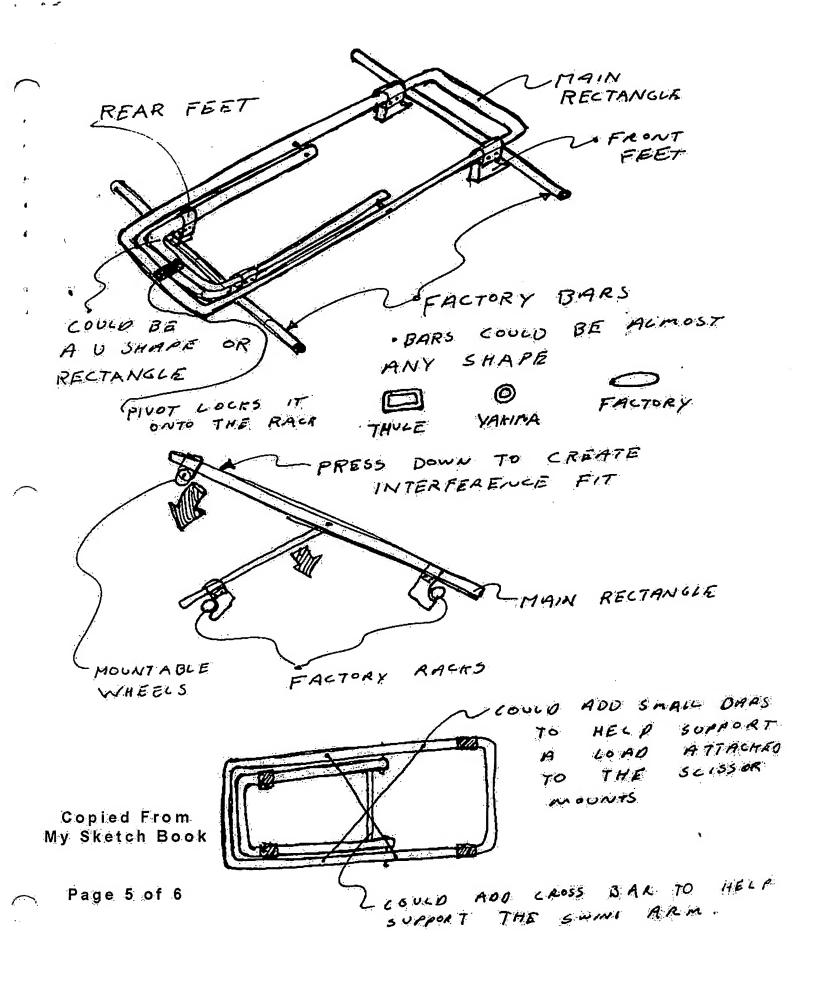


DISCLOSURE DOCUMENT 11.04.02

Page 4 of 6

Another advantage to my design is the ability to stand the bag and it's contents upright.





COULD BE FABRIC, PLASTIC OR VARIETY OF OTHER MATERIALS ZIPPER 2 SCISSOR MOUNT -WEBBING ATTACHES BAG TO THE SCISSOR MOUNT FRONT · COULD USE MANY FEET OTHER METHODS OF ATT ACHMENT FRONT VEHICLE ROOF RACK BAR.

BAG COULD BE ALMOST ANY MATERIAL

Copied From My Sketch Book Page 6 of 6

Serial No.: 10/652,141 Attorney Docket No.: HURD-Po1

APPENDIX C

Protomatic, Inc.

2125 Bishop Circle West Dexter, MI 48130-1560 Phone: (734) 426-3655

Fax: (734) 426-2725

Quotation

Quote Coil

To: 1114 Woodlawn Ave. Ann Arbor, MI 48104

Quote Number:

12756

Contact:

Jon Hurd

Quote Date:

03/28/03

Expires: 04/27/03

inquiry:

1 % 15 - Net 30 Days

Customer:

COIL Mark Novitsch

Terms:

Phone:

(734) 972-1159

Salesman: Ship Via:

Protomatic Delivery

FAX:

FOB:

Dexter, Michigan

Thank you for the opportunity to submit this quote Quote Valid for 30 days. Delivery:4-6 weeks ARO.

Item	Part Number	Description		Revision	Quantity	Price	5
	125-A	Foot bracket			4	\$179.43/EA	
					400	\$5.56/EA	
			3-4 WEEKS		1,000	\$4.49/EA	•
			3-7		4,000	\$3.99/EA	
						•	7
2	130-A	Latch			- 1	\$286.42/EA	
					100	\$5.41/EA	
		—			250	\$3.46/EA	
		· LASER CUT			1,000	\$2.60/EA	

By NOVITSCH, MARK

Protomatic, Inc.

Serial No.: 10/652,141 Attorney Docket No.: HURD-Po1

APPENDIX D

'n

DATE: 6-35-03

FAX NO. 519 727 6434

P. 02 MISTONER PART No. CUSTOMER DIF' No. FAB MASTERS AFREND, I CM PRCHOSAL Na. FOOT EXTRUSION H-51615 SPECSICI 0.312 :37 7,92 R0.015 0.187 !(x) = R0.030(R0.76)(3)!SSS OTHERWISE MOTED. STANDARC TO FRANCES TO APPLY UNICES OFFERING (·) = R0.050(R1.27) (9) R0.38 4.75 0.062 1.57 SEE REVIEW DRAWING 3,540 (3) 39.98 P.I. TIETAIL! 211 1.943 49,33 0.750 0.500 19.05 12.70 (2) <u>R0 250</u> 0.508 R6.35 28 2,29 0.530 29,84 R0.125 533 5 23.18 .883 R0.010 (6) Rú.25 R0.090 0,540 3.18 13.72 R2.03 1.375 34.93 R0.200 1.290 0.125 1.500 R0.380 R5.05 32.17 3.18 38 10 89.65 .010 DP × 901 V-GROOVE I.T. SEE REVIEW CENTERED DRAUNG WALL THITSHIPS 0.125(3.18)FACTS L V2 2HOMM DAT DEV 1072,9:141013 ALUMINUM EXTRUSION INC. M2 ESTAFEA 1,453 937.272 EST. AREA N4,² THIS DRAWING IS NOT NECESSARILY A COPY OF YOUR ORIGINAL. PLEASE APPROVE DIMENSIONS AND FOLERANCES INDICATED. ASSUMES NO 1.743 2,594 EST IVT EST.WY. LEN/ 1. KU/N. 22,514 EST.PER. ESTEFR 571.862 M 414. RESPONSIBILITY EITHER TECHNICAL OR LEGAL FOR HAVING THIS SHAFF MADE. THE CUSTOMER AGREES TO FULLY PROTECT CAN ART ALUMINUM FROM CLAMS OF MITHERS RESITTING FROM THIS SHAPE. 11.502 292.1 CUI FEA. CUT PER Ŋμ, 3.926 99.731 C.C.D. Ľ٤. 114. ¥4 ACTOR. FINISH M/F ALLOY & TEMP. 6063

THE SY L.G.

WARE 08/02/2003

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CKD BT

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